

REMARKS

In the Office Action mailed July 28, 2005, claims 1-9 and 20 were rejected under 35 U.S.C. § 112, second paragraph; claims 1-7, 9, 15 and 18-20 were rejected under 35 U.S.C. § 102(b) as being anticipated by Chapel (U.S. Patent No. 4,812,798); and claims 8 and 16-17 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Chapel in view of Cho (U.S. Patent No. 5,973,307). The foregoing rejections are respectfully traversed.

In accordance with the foregoing, the specification and claim 1-4, 7, 15, 18 and 20 have been amended for clarification purposes. Support for the claim amendments can be found at FIGS. 2 and 3 and pages 3 and 5 of the specification. Claims 1-9 and 15-20 are pending and under consideration.

Based upon the foregoing amendments to claims 1, 4 and 20, withdrawal of the 112 rejections of claims 1-9 and 20 is respectfully requested.

Chapel discusses an electric transformer for a microwave oven (see FIG. 3). In FIG. 5, Chapel illustrates a secondary carcass for the secondary winding shown in FIG. 3. The secondary carcass includes a central flange contacting with a central column of the core and an internal flange and an external flange (see column 7, lines 10-12). The secondary carcass also includes a radial stud on an external edge of either the internal flange or the external flange on which the first end of the secondary high voltage winding wire may be temporarily wound before connection to the outlet tag (see column 8, lines 35-41).

Cho discusses a high voltage transformer having side insulation supports (see FIG. 4 and column 3, lines 37-41).

Regarding the 102 rejections:

The Applicant respectfully submits that Chapel fails to discuss "an insulation member vertically positioned and fixed between the output terminals and the core at a predetermined distance away from the core," as recited in amended claim 1. That is, in Chapel, neither the central flange, the internal flange nor the external flange of the secondary carcass are vertically positioned and fixed between the high voltage outlet tag and the core at a predetermined distance away from the central column of the core. Instead, as mentioned above, the central flange contacts with the central column of the core and the internal and external flanges extend in a direction perpendicular to that of the central flange as shown in FIG. 5.

Chapel also fails to discuss those limitations recited in claim 18 which is similar to the limitations as recited in amended claim 1.

Chapel also fails to discuss "an insulation member vertically positioned and fixed

between the secondary coil and the output terminal" as recited in claim 1.

In addition, dependent claims 2-9, 16-17 and 19-20 include patentably distinguishable features of their own. For example, claim 4 recites "the insulation distance is a roundabout distance which is a total sum of a distance extending from the output terminals to a top of the insulation member and a straight-line distance between the output terminals and the core, the roundabout distance being greater than the straight-line distance between the output terminals and the core".

Regarding the 103 rejections of claims 8 and 16-17:

Claims 8 and 16-17 depend from claims 1 and 15, respectively. Therefore, the comments mentioned above regarding independent claims 1 and 15 may be applied here. Cho fails to make up for the deficiency of Chapel. Therefore, the combination of Chapel and Cho fails to establish a prima facie case of obviousness over the present invention.

Withdrawal of the foregoing rejections is respectfully requested.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date:

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By:

Deidre M. Davis
Deidre M. Davis
Registration No. 52,797

1201 New York Avenue, NW, Suite 700
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501